

DAFTAR PUSTAKA

- [1] Semin, A. Z. M. Fathallah, N. Siswantoro, A. Iswantoro, and S. K. Moerad, “Potensi Penggunaan Kotoran Sapi Sebagai Sumber Biogas Rumah Tangga di Kabupaten Kediri,” *Jurnal Direktorat Riset dan Pengabdian Kepada Masyarakat-DRPM ITS*, vol. 4, no. 3, pp. 241–248, 2020.
- [2] A. H. Abdurrahman, M. R. Kirom, and A. Suhendi, “Biogas Production Volume Measurement and Internet of Things based Monitoring System,” *2020 IEEE International Conference on Communication, Networks and Satellite, Commetsat 2020 - Proceedings*, pp. 213–217, Dec. 2020, doi: 10.1109/Commetsat50391.2020.9328948.
- [3] A. Ezrafi, Y. Fitriyani, and M. Wijayanti, “Sistem Monitoring Biodigester Berbasis Arduino Nano,” *JUIT*, vol. 2, no. 2, pp. 107–115, 2023.
- [4] M. Walker, K. Iyer, S. Heaven, and C. J. Banks, “Ammonia removal in anaerobic digestion by biogas stripping: An evaluation of process alternatives using a first order rate model based on experimental findings,” *Chemical Engineering Journal*, vol. 178, pp. 138–145, Dec. 2011, doi: 10.1016/j.cej.2011.10.027.
- [5] S. Suhartini, Y. P. Lestari, and I. Nurika, “Estimation of methane and electricity potential from canteen food waste,” in *IOP Conference Series: Earth and Environmental Science*, Institute of Physics Publishing, Feb. 2019. doi: 10.1088/1755-1315/230/1/012075.
- [6] Iswanto, A. Ma’arif, B. Kebenaran, and P. Megantoro, “Design of gas concentration measurement and monitoring system for biogas power plant,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 22, no. 2, pp. 726–732, Apr. 2021, doi: 10.11591/ijeecs.v22.i2.pp726-732.
- [7] W. Adijarto, “TA212201014 Smart Biogas Monitoring System.” Accessed: Oct. 19, 2023. [Online]. Available: <https://eedays.stei.itb.ac.id/2022/06/19/ta212201014-smart-biogas-monitoring-system/>
- [8] L. T. Babatunde, I. I. Tilli, and O. P. Mbini, “The Production of Biogas from Cow Dung,” *The Production of Biogas from Cow Dung*, Dec. 2022, doi: 10.9734/bpi/mono/978-81-959913-1-0.

- [9] N. Achmad, Kasidi, and S. Mahendra, “Analisa Kapasitas dan Tekanan Biogas Pada Digester Volume 12 M3 di Kelompok Peternak Sapi di Desa Besito Kecamatan Gebog Kabupaten Kudus,” pp. 96–102, 2018, [Online]. Available: <http://economy.okezone.com>
- [10] R. H. Amanda, D. Indrawati, and Ratnanigsih, “Pengolahan Kotoran Sapi dan Limbah Sayuran Menjadi Energi Biogas di Desa Cibodas, Kecamatan Pasirjambu, Kabupaten Bandung,” *KOCENIN Serial Konferensi*, no. 1, pp. 3.12.1-3.12.10, 2020.
- [11] R. A. Wibowo, A. Suhendi, and M. R. Kirom, “Rancang Bangun Sistem Pemantauan Kadar Keasaman (pH) dan Suhu Pada Biodigester Anaerob berbasis Internet of Things,” *e-Proceeding of Engineering*, vol. 8, pp. 5908–5920, 2021.
- [12] S. S. Ramadania and Mulyadi, “Sistem Pemantauan Biodigester Menggunakan Mikrokontroler,” *JURNAL BORNEO SAINTEK*, vol. 2, no. 2, pp. 31–37, Oct. 2019.
- [13] R. R. Pansari and Dr. S. R. Patil, “Biogas Management using IoT,” *Int J Res Appl Sci Eng Technol*, vol. 8, no. 8, pp. 115–122, Aug. 2020, doi: 10.22214/ijraset.2020.30831.
- [14] A. Doumanoglou *et al.*, “A System Architecture for Live Immersive 3D-Media Transcoding over 5G Networks,” *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting*, pp. 1–5, 2018.
- [15] P. By ALLDATASHEETCOM, “Hanwei Electronics MQ-4 www.hwsensor.com.” [Online]. Available: www.hwsensor.com
- [16] N. A. Tyasmara, “Rancang Bangun Inkubator Untuk Monitoring Kondisi Bayi Prematur Berbasis Mikrokontroler,” Thesis, Universitas Negeri Yogyakarta, Yogyakarta, 2019. Accessed: Jul. 02, 2024. [Online]. Available: <https://eprints.uny.ac.id/60227/>
- [17] R. N. Tutorials, “ESP32 Data Logging to Firebase Realtime Database.” Accessed: Jul. 15, 2024. [Online]. Available: <https://randomnerdtutorials.com/esp32-data-logging-firebase-realtime-database/>

- [18] Z. RK, “React-Admin-Dashboard-public.” Accessed: May 09, 2024. [Online]. Available: <https://github.com/ZainRk/React-Admin-Dashboard-public>
- [19] refined guides, “calendar.” Accessed: May 20, 2024. [Online]. Available: <https://github.com/refinedguides/calendar>
- [20] “Series G: Transmission Systems and Media, Digital Systems and Systems Quality of Service and Perfomance,” 2001.
- [21] I. S. Nisa, Rahmat Miyarno Saputro, Tegar Fatwa Nugroho, and Alfirna Rizqi Lahitani, “Analisis Quality of Service (QoS) Menggunakan Standar Parameter Tiphon pada Jaringan Internet Berbasis Wi-Fi Kampus 1 Unjaya,” *Teknomatika: Jurnal Informatika dan Komputer*, vol. 17, no. 1, pp. 1–9, Apr. 2024, doi: 10.30989/teknomatika.v17i1.1307.
- [22] U. Ependi, T. B. Kurniawan, and F. Panjaitan, “SYSTEM USABILITY SCALE VS HEURISTIC EVALUATION: A REVIEW,” *Jurnal SIMETRIS*, vol. 10, no. 1, 2019.
- [23] D. Saputra, E. Ardiyan Syah, and F. Darnis, “Usability Testing on the Simponik Website using the System Usability Scale (SUS),” *Sinkron*, vol. 7, no. 4, pp. 2584–2592, Nov. 2022, doi: 10.33395/sinkron.v7i4.11916.
- [24] “Web Content Accessibility Guidelines (WCAG) 2.1.” Accessed: Jul. 18, 2024. [Online]. Available: <https://www.w3.org/TR/WCAG21/>
- [25] W. Estrella and I. Aknuranda, “Evaluasi Usability pada Aplikasi (Mobile) Juragan 99 Trans dengan Pengujian Usability,” *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, vol. 7, no. 7, pp. 3334–3341, 2023, [Online]. Available: <http://j-ptiik.ub.ac.id>
- [26] B. Z. Pramudya and A. Raharja, “Evaluasi Usability Aplikasi Augmented Reality Morphfun Menggunakan System Usability Scale.”
- [27] G. A. W. Sudiartha, T. Imai, C. Mamimin, and A. Reungsang, “Effects of Temperature Shifts on Microbial Communities and Biogas Production: An In-Depth Comparison,” *Fermentation*, vol. 9, no. 7, Jul. 2023, doi: 10.3390/fermentation9070642.

- [28] H. Yuni, “Pengaruh Penambahan Jerami Padi dan Eceng Gondok Pada Digester Terhadap Suhu dan Rasio C/N Sludge Biogas,” Universitas Hasanuddin, Makassar, 2017.
- [29] M. Dianawati and S. L. Mulijanti, “Peluang Pengembangan Biogas di Sentra Sapi Perah,” *J. Litbang Pert*, vol. 34, no. 3, pp. 125–134, 2015.
- [30] S. Rezeki, W. D. Ivontianti, and A. Khairullah, “Optimasi Temperatur Pada Produksi Biogas dari Limbah Rumah Makan di Pontianak,” *Jurnal Engine: Energi, Manufaktur, dan Material*, vol. 5, no. 1, pp. 32–38, 2021.
- [31] G. Paramaguru, M. Kannan, N. Senthilkumar, and P. Lawrence, “Effect of Temperature on Biogas Production From Food Waste Through Anaerobic Digestion,” *Desalination Water Treat*, vol. 85, pp. 68–72, Aug. 2017, doi: 10.5004/dwt.2017.21189.
- [32] A. Haryanto, Oktafri, S. Triyono, and M. R. Zulyantoro, “Pengaruh Komposisi Substrat Campuran Kotoran Sapi dan Jerami Padi Terhadap Produktivitas Biogas Pada Digester Semi Kontinyu,” *Jurnal Ilmiah Rekayasa Pertanian dan Biosistem*, vol. 7, no. 1, pp. 116–125, Mar. 2019, doi: 10.29303/jrpb.v7i1.105.
- [33] L. M. Shitophyta, M. H. Darmawan, and Y. Rusfidiantoni, “Produksi Biogas dari Kotoran Sapi dengan Biodigester Kontinyu dan Batch,” *Journal of Chemical Process Engineering*, vol. 7, no. 2, pp. 85–90, 2022.
- [34] S. Dewi, S. P. Adithama, and A. T. Suhardi, “Pengujian Aplikasi Doctor to Doctor Menggunakan Metode Black Box Testing,” *KONSTELASI: Konvergensi Teknologi dan Sistem Informasi*, vol. 3, no. 1, pp. 61–72, 2023.